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CLAIMS:

What is claimed is:

1. A method, in a data processing system, for providing
5 context sensitive database assistance in an integrated development environment, the method comprising:
 receiving a database query statement;
 responsive to activation of a database assistance function, generating a database assistance interface
10 based on at least a portion of the database query statement and database information for each database to be used in a project; and
 responsive to user input, populating the database query statement.
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2. The method of claim 1, wherein the database assistance interface includes one of a database selection interface, a table selection interface, a column selection interface, a record insertion interface, a
20 column value set interface, and a search condition interface.
3. The method of claim 1, further comprising:
 determining whether a table name in the database
25 query statement is ambiguous,
 wherein the database assistance interface includes a table selection interface for selecting a table from a plurality of candidate tables.

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4. The method of claim 3, wherein the plurality of candidate tables exist in a plurality of databases.

5. The method of claim 3, wherein the plurality of candidate tables exist in a plurality of schemas.

6. The method of claim 1, further comprising:
determining whether a column name in the database query statement is ambiguous,
10 wherein the database assistance interface includes a column selection interface.

7. The method of claim 1, wherein the database assistance interface presents metadata to assist a user.

8. The method of claim 1, further comprising:
receiving database information for each database to be used in the project; and
storing a local data model for each database.

9. The method of claim 8, wherein the step of storing a local data model includes:
connecting to a database;
retrieving a data model for the database; and
25 storing the data model for the database locally.

10. The method of claim 8, wherein the step of storing a local data model includes:
connecting to each database;

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determining whether a data model for each database has changed; and

responsive to a data model for a database having changed, updating a local data model for the database.

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11. The method of claim 1, wherein the database information includes at least one of schema name, database name, username, password, and port number.

10 12. An apparatus for providing context sensitive database assistance in an integrated development environment, the apparatus comprising:

receipt means for receiving a database query statement;

15 generation means, responsive to activation of a database assistance function, for generating a database assistance interface based on at least a portion of the database query statement and database information for each database to be used in a project; and

20 assistance means, responsive to user input, for populating the database query statement.

13. The apparatus of claim 12, wherein the database assistance interface includes one of a database selection interface, a table selection interface, a column selection interface, a record insertion interface, a column value set interface, and a search condition interface.

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14. The apparatus of claim 12, further comprising:

means for determining whether a table name in the database query statement is ambiguous,

5 wherein the database assistance interface includes a table selection interface for selecting a table from a plurality of candidate tables.

15. The apparatus of claim 12, further comprising:

10 means for determining whether a column name in the database query statement is ambiguous,

wherein the database assistance interface includes a column selection interface.

16. The apparatus of claim 12, further comprising:

15 means for receiving database information for each database to be used in the project; and

means for storing a local data model for each connection.

20 17. The apparatus of claim 16, wherein the means for storing a local data model includes:

means for connecting to a database;

means for retrieving a data model for the database;

and

25 means for storing the data model for the database locally.

18. The apparatus of claim 16, wherein the means for storing a local data model includes:

30 means for connecting to each database;

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means for determining whether a data model for each database has changed; and

means, responsive to a data model for a database having changed, for updating a local data model for the database.

19. The apparatus of claim 12, wherein the database information includes at least one of schema name, database name, username, password, and port number.

20. A computer program product, in a computer readable medium, for providing context sensitive database assistance in an integrated development environment, the computer program product comprising:

instructions for receiving database information for each connection to be used in a project;

instructions for receiving a database query statement;

instructions for responsive to activation of a database assistance function, generating a database assistance interface based on at least a portion of the database query statement; and

instructions for responsive to user input, populating the database query statement.